301-030753
1444268

SPECIFCATIONS FOR SALT BRINE PRODUCTION SYSTEM:

A. GENERAL REQUIREMENTS

1) HEAVY DUTY, MOLDED, ONE PIECE PLASTIC CONSTRUCTION
2) MINIMUM 110% SECONDARY CONTAINMENT
3) FULL RANGE SALINITY ADJUSTMENT
4) 3600 GPH THROUGHOUT
5) 600 GALLON HOLDING CAPACITY
6) AUTOMATIC REFILL AND SHUTOFF
7) REMOTE PUMP SWITCH
8) INTEGRAL LOADING CHUTE-SALT HOPPER
9) TURN KEY SYSTEM - CONNECT TO WATER, PLUG IN TO POWER AND ITS READY TO OPERATE

B. DIMENSIONS: 62" WIDE X 62" HIGH X 119" LONG

C. STORAGE/HOLD CAPACITY IN GALS. MAIN TANK-600, HOPPER 800/TOTAL 1400

D. ROCK SALT HOLDING CAPACITY: 3.68 CUBIC YARDS

E. MATERIALS

1) SALT BRINE PRODUCTION SYSTEMS SHALL BE COMPRISED OF ROTATIONALLY MOLDED, ONE PIECE TANKS.
2) ROTATIONALLY MOLDED POLYEHYLENE SBPS TANKS SHALL BE MANUFACTURED FROM A POLYETHYLENE COMPOUND WHICH CONFORMS TO THE FOLLOWING PROPERTIES:
   -DENSITY - ASTM D-1505 .942 G/CM3
   -MELT INDEX - ASTM D-1238 2.0G/10MIN
   -TENSILE STRENGTH - ASTM D-638 2,700 PSI
   -FLEXURAL MODULAS - ASTM D-790 103,000 PSI
   -LOW TEMP IMPACT - ARM-LOW IMPACT (1/4") 175 FT. LBS.

F. MAIN SALT BRINE TANK:

1) SHALL BE ROTATIONALLY MOLDED ONE PIECE (NO WELDS, JOINTS, OR SEAMS) POLYETHYLENE PLASTIC TANK-UV STABILIZED
2) 5/8" NOMINAL THICKNESS-OPEN FLOOR (NO INTERIOR FLOOR RIBSTO HINDER CLEANING) WITH PITCHED BOTTOM TO LOWER SUMP AREA FOR TOTAL DRAINAGE
3) TWO 6" SCHEDULE 80 PVC DRAIN PIPE WITH THREADED PLUG END TO ONE 3" DRAIN WITH THREADED PLUG END.

G. HOPPER/ROCK SALT TANK:

1) ROTATIONALLY MOLDED ONE PIECE (NO WELDS, JOINTS, OR SEAMS) POLYETHYLENE PLASTIC TANK-UV STABILIZED
2) 5/8" NOMINAL THICKNESS-OPEN FLOOR (NO INTERIOR RIBS TO HINDER CLEANING)-PITCHED BOTTOM TO LOWER SUMP AREA FOR TOTAL DRAINAGE
3) 6" SCHEDULE 80 PVC DRAIN PIPE WITH THREADED PLUG END
4) FULL LENGTH 1.5" PVC WATER INFEED MANIFOLD TO PROVIDE EVEN FILLING AND SALT SATURATION.

H. SECONDARY CONTAINMENT TANK:

1) ROTATIONALLY MOLDED ONE PIECE (NO WELDS, JOINTS, OR SEAMS) POLYETHYLENE PLASTIC TANK-UV STABILIZED

2) 5/8"NOMINAL THICKNESS-SELF SUPPORTING, MOLDED IN VERTICAL SUPPORT RIBS AND 3" HIGH SKID BOTTOMS
3) REQUIRES NO COMPLEX SADDLING OR SUPPORT STRUCTURES
4) TWO 1" PVC THREADED PLUG DRAIN FITTINGS
5) MINIMUM 110% CONTAINMENT CAPACITY

I. PLUMBING AND PLUMBING COMPONENTS:

1) CAST IRON EPOXY COATED EFFLUENT EJECTOR PUMP
   A) STAINLESS STEEL HOUSING,THERMAL OVERLOAD PROTECTED, OIL FILLED
   B) 1/2 HP, 110 GPM AT 0 HEAD/FT.
   C) 20# MESH MONEL SCREENED INTAKE
   D) 1.5" DISCHARGE
   E) 25 FOOT REMOTE WATERPROOF TOGGLE SWITCH
   F) UL LISTED
2) WATER SERVICE PIPING SHALL BE 1.5" PVC THROUGHOUT ENTIRE SYSTEM
3) WATER SERVICE IS CONTROLLED BY A 1.5" GLASS FILLED POLYPROPYLENE, NON-ELECTIRC HYDRAULICDIAPHRAGM VALVE
4) SHALL AUTOMATICALLY CONTROL WATER INFEED TO THE HOPPER TANK AND MAINTAIN THE LEVEL OF BRINE IN THE MAIN TANK.
5) SHALL HAVE 1.5" PVC WATER INFEED AND SALINITY DILUTION BALL VALVES
6) SHALL HAVE ONE PIECE SEALED UNIT REQUIRES NO ADJUSTMENTS
7) SHALL HAVE EDPM O-RINGS SEALS AND TELFON SEATS.
8) SHALL HAVE PLASTIC FLOAT VALVE TO CONTROL WATER TO DIAPHRAGM VALVE
9) VALVE BODY SHALL BE CELCON PLASTIC WITH BUNA-N PLUNGER.
10) NON-HAMMERING
11) SHALL HAVE TWO 3" BRINE OVERFLOW PIPES TO FILL MAIN BRINE TANK
12) SHALL HAVE 1.5" PVC SALINITY DILUTION PIPING CONNECTED TO THE OVERFLOW PIPES TO PROVIDE FINE TUNING OF SALINITY PERCENTAGE ADJUSTMENTS.
13) SHALL HAVE TWO 6" ROUND STAINLESS STEEL #8 MESH OVERFLOW SCREENS
14) SHALL HAVE 1.5" GLASS FILLED POLYPROPYLENE QUICK DISCONNECT CAM LOCK COUPLINGFROM PUMP DISCHARGE

J. ELECTRICAL SERVICE

1) SHALL HAVE A 15 AMP, 110 VAC GROUND FAULT INTERUPPTOR CIRCUIT RESPECTACLE WITH TRIP AND RESET
2) SHALL BE ENCLOSED IN WATERPROOF OUTDOOR SERVICE PVC JUNCTION BOX AND WEATHERPROOF PLASTIC OUTLET COVER.
3) SHALL HAVE A 25' 16/3 AWG OUTDOOR, WATERPROOF 15 AMP, 110 VAC REMOTE TOGGLE SWITCH WITH WATERTIGHT PLASTIC STRAIN CONNECTORS ON BOTH ENDS OR REMOTE CABLE.

K. INSTALLATION

1) WATER CONNECTION SHALL BE MADE BY CONNECTION TO 1.5" PVC THREADED MALE END OF THE WATER INFEED PIPING TO CUSTOMER SUPPLIED WATER SERVICE.
2) ELECTRICAL CONNECTION SHALL BE MADE BY PLUGGING IN THE POWER SERVICE CORD EQUIPPED ON THE SBPS TO THE CUSTOMER SUPPLIED ELEC-TRICALLY ADEQUATE POWER SUPPLY.